

Case No. F3238(C)

In the claims:

Cancel claim 4 without prejudice.

Please amend claims 15, 20 and 22, as follows:

P
15. (Twice amended) Extruder according to claim 20 with a screw LT/De ratio of between 2 and 5.

FJ
20. (Amended) Single screw comprising an extruding screw and a barrel, said extruding screw having a length (LT) in contact with the barrel, a pitch length (Sp) and a screw diameter (De), said single screw extruder comprising cooling means constituted by a cooling circuit wherein a cooling liquid is circulated, said extruding screw being characterised by from 3 to 4 thread starts and pitch angle defined as $\text{Arctg}(\text{Sp}/\text{Pi}.\text{De})$ of between 32 and 42 degrees said cooling liquid being ammonia.

b
22. (Amended) A single screw extruder comprising an extruding screw and a barrel, said extruding screw having a length (LT) in contact with the barrel, a pitch length (Sp) and a screw diameter (De), said single screw extruder comprising a cooling circuit wherein a cooling liquid is circulated, said extruding screw comprising between 2 and 6 thread starts and pitch angle defined as $\text{Arctg}(\text{Sp}/\text{Pi}.\text{De})$ of between 32 and 42 degrees.